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(54) **Imager package substrate**

(57) An image head assembly comprising: a substrate with at least a pair of apertures formed in the substrate; an optical assembly having at least a pair of pins that mate with the apertures within the substrate, the pins to the optical assembly being fixedly secured to the apertures within the substrate; an image sensor located between the apertures covered by a cover glass above the image sensor on the optical assembly; interface means for providing an electrical connection between the substrate and the image sensor; a lens system mounted on top the cover glass; and a single element blur filter contained within the lens system. The assembly contains a single element blur filter such as a cross-pleated blur filter. The lens system is prevented from being a reverse telephoto lens system with use of a blur filter that does not require a large back focus and is instead a telephoto lens system.

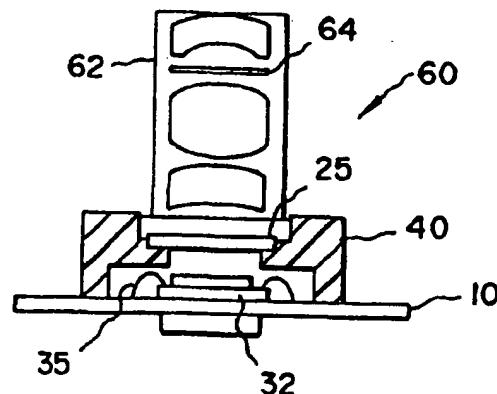


Fig. 6

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EUROPEAN SEARCH REPORT

Application Number
EP 98 20 1874

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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
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			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			H01L
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 16 December 1998	Examiner Vlsscher, E
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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ANNEX TO THE EUROPEAN SEARCH REPORT
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